



Section C:2

River Corridor

PROJECT MANAGERS

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SUMMARY

The River Corridor Project consists of the following projects: 300 Area Liquid Effluent Facility (LEF) WBS 1.2.3.2, Project Baseline Summary (PBS) WM05; B-Plant, WBS 1.4.1, PBS TP01; 300 Area/Special Nuclear Materials, WBS 1.4.4, PBS TP04; Transition Project Management, WBS 1.4.6, PBS TP12; Accelerated Deactivation, WBS 1.4.8, PBS TP10; 324/327 Facility Transition, WBS 1.4.10, PBS TP08; and Hanford Surplus Facility Program (300 Area Revitalization), WBS 1.4.11, PBS TP14.

PBS WM05 is divided between WBS 1.2.3.1, Liquid Effluents (200 LEF) and WBS 1.2.3.2, 310 TEDF/340 Facility (300 LEF). The 310 TEDF/340 Facility work scope is now included in the River Corridor Project, whereas the Liquid Effluents (200 LEF) work scope has remained in Waste Management. For the purpose of performance analysis, PBS WM05 is reported in its entirety in the Waste Management Project, which has the majority of the work scope and funding incorporated in their baseline.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, Metrics and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 23, 2000.

Actions required to close out the B Plant transfer Memorandum of Agreement (MOA) with the Environmental Restoration Contract (Bechtel Hanford, Inc.) were completed 10 days ahead of the Washington State Department of Health (WDOH) due date of July 28, 2000. Effective August 9, 2000, Bechtel Hanford, Inc. has assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system.

Progress continues toward Accelerated Deactivation of the 327 Facility with an additional 14 fissile specimen containers transferred from dry storage for a total of 239 of the planned 297 containers. Additionally, the third shipment of lead-lined drums from the 327 Building to the Central Waste Complex was completed on August 22, 2000, using the newly procured PF-21 overpacks. Up to ten such shipments are planned this year to support Performance Incentive RC-2SS.

An additional ten backlog Low Level Waste drums have been shipped from the 324 Building for a total of 80 out of 88. In-cell cleanup of 324 B Cell dispersible mixed waste and size reduction of remaining pieces of minor equipment for packaging and removal is more than 20% complete. This is a major requirement in satisfying Tri-Party Agreement Milestone M-89-02.

The DOE Executive Evaluation Report received from RL in late July regarding the 300 Area Accelerated Closure Project Plan was very favorable. Submittal of the 300 Area Accelerated Closure Plan completed the deliverable for Performance Incentive FH-RC-5SS (PBS TP-14) to develop an innovative and integrated plan, schedule, and cost estimate for the accelerated closure of a significant portion of the 300 Area.

The Accelerated Deactivation Project is making good progress with 64 T-hoppers shipped to Portsmouth, Ohio as of August 22, 2000. All 184 T-hoppers have been painted in preparation for shipment to Portsmouth, Ohio. Preparations have also begun for shipment of excess uranium billets to Portsmouth, Ohio.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that four of five milestones (80 percent) were completed on or ahead of schedule and one milestone is overdue. The Milestone Achievement details, found following cost and schedule variance analysis, provide further information on all milestone types.

ACCOMPLISHMENTS

An Ergonomic Program Plan directed at reducing the risk of musculoskeletal injuries was developed and implemented at RCP. The Hot Cell Technicians at the 324/327 Buildings are the first classification of workers to be evaluated in the plan.

In-cell cleanup of 324 B Cell dispersible mixed waste and size reduction of remaining pieces of minor equipment for packaging and removal is more than 20% complete. Additionally, 80 of 88 backlog low level waste drums have been shipped, and lead shield plug size reduction and packaging is complete.

Planning and field activities including mock-up training to support the first shipment of 324 Building mixed waste in Steel Waste Disposal Box (SWDB) containers to the Central Waste Complex is in process. Transfer of the first SWDB is scheduled for the last week in August.

The 300 Area Liquid Effluent Facility treated 5.8 million gallons of water for the month of July.

The 300 Area Liquid Effluent Facility current Fiscal Year Spend Forecast (FYSF) is projecting a favorable variance of \$1,317K or 21.1 percent of the original budget.

The third shipment of lead-lined drums from the 327 Building to the Central Waste Complex was completed on August 22, 2000, using the newly procured PF-21 overpacks. Up to ten such shipments are planned this year to support Performance Incentive RC-2SS.

An additional 14 fissile specimen containers from 327 dry storage were removed bringing the total to 239 out of 297 for fiscal year to date.

The DOE Executive Evaluation Report received from RL in late July regarding the 300 Area Accelerated Closure Project Plan is very favorable. The innovative, integrated plan includes the schedule and cost estimate for the accelerated closure of a significant portion of the 300 Area.

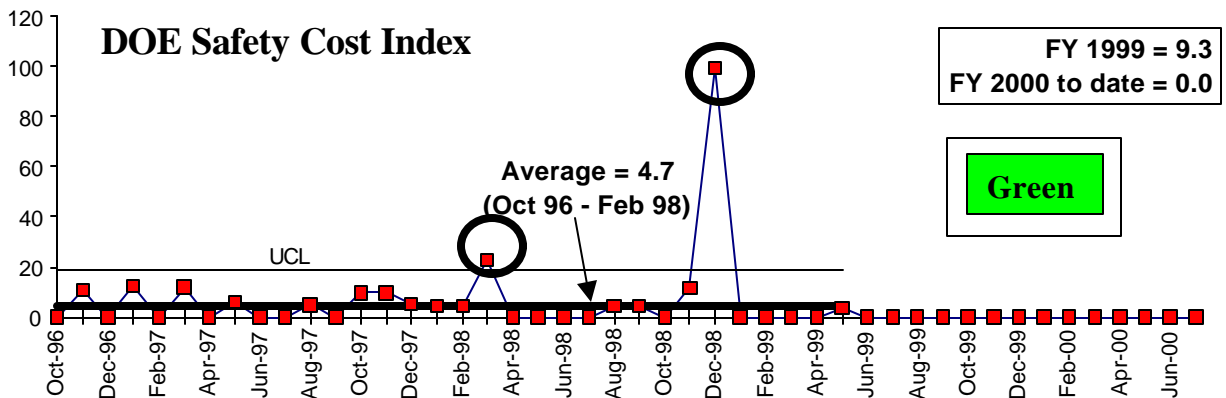
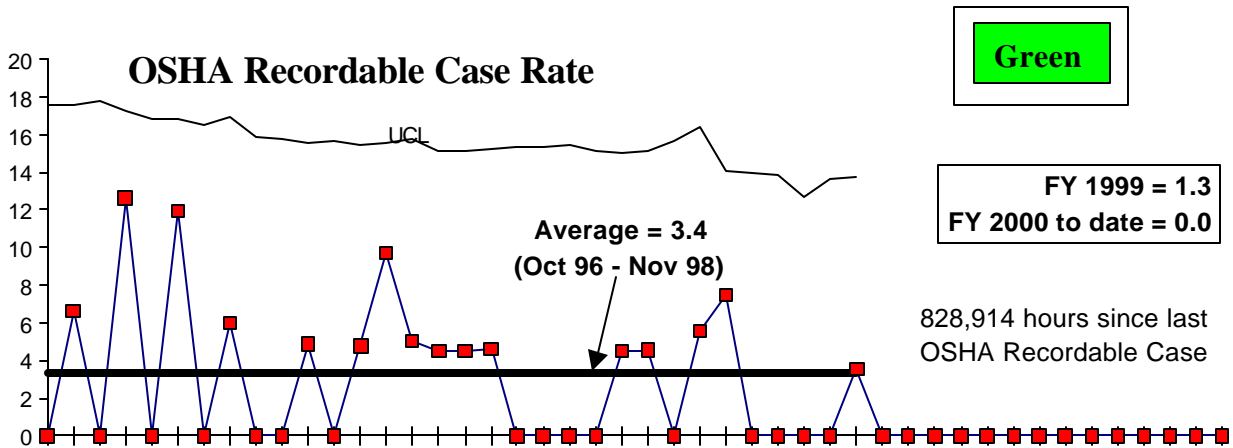
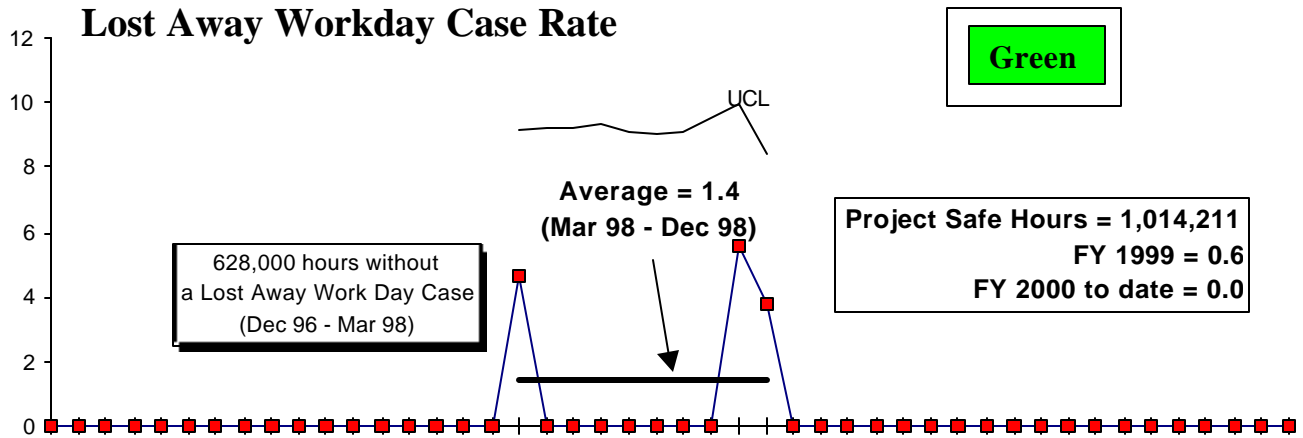
All 184 T-hoppers have been painted to prepare for shipment to Portsmouth, Ohio. As of August 22, 2000, 64 T-hoppers had been shipped to Portsmouth, Ohio. In addition, preparations have begun for excess uranium billet shipment.

Kudos were given to the 200 Area Accelerated Deactivation staff when RL conducted a surveillance of the Project's 242B/BL facility. The report noted that when the facility was initially entered in February 1999, a significant amount of biological contamination (e.g., dead mice and mouse feces) was found. RL noted 200 Area ADP's Good Practice in the surveillance as "rather than making every cleanup of biological hazards an ad hoc process, 200 Area ADP created and utilized a documented and well-thought-out approach for *Cleanup of Biologically Contaminated Areas*." Cleanup of 242-B/BL is approximately 70 percent complete.

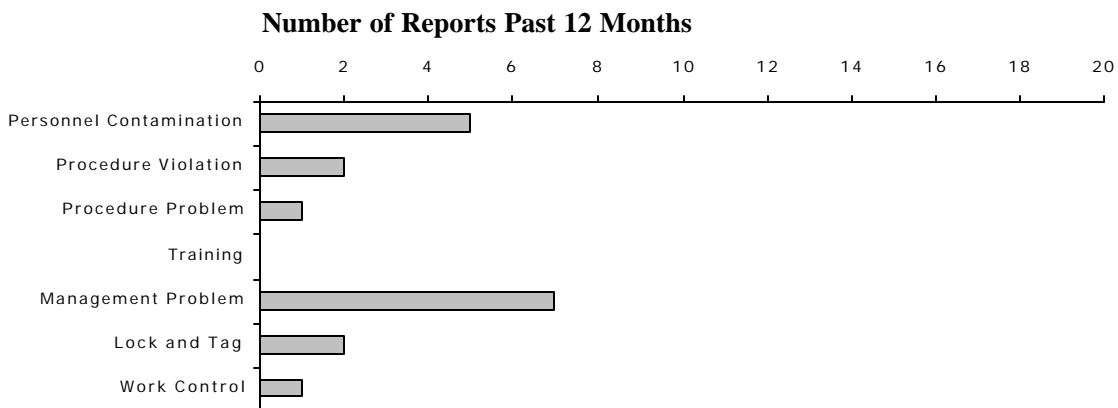
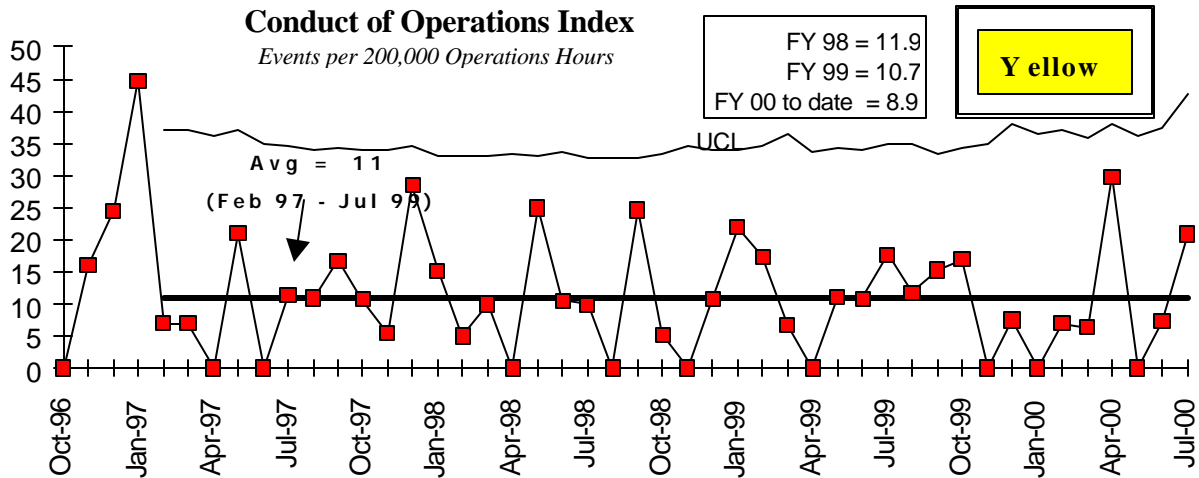
Effective August 9, 2000, Bechtel Hanford, Inc. has assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system.

SAFETY

Significant decreases in Occupational Safety and Health Act (OSHA) recordable case rate and in DOE Safety Cost Index have recently occurred. The project has exceeded 750,000 hours without an OSHA recordable. The project has an overall green rating - stable at excellent rates.



CONDUCT OF OPERATIONS / ISMS STATUS



ISMS STATUS

- ISMS Internal Readiness Review (IRR) completed; closure plan in progress
- Phase I Verification successfully completed April 28, 2000
- ISMS Phase II Verification successfully completed July 13, 2000
- Discipline Lead for FH Center of Expertise identified August 15, 2000

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

- **Savings Through Alternative Disposition Strategy** - Final disposition of Unirradiated Uranium fuel elements to low-level waste burial grounds vs. packaging and transportation to Portsmouth, Ohio for interim storage

Yellow

will save in excess of \$1M.

- **300 Area Accelerated Closure Plan** - Based on the preparation of the 300 Area Accelerated Closure Plan an opportunity to accelerate closure of a significant portion of the 300 Area nearly four decades ahead of the current deactivation plan for an estimated savings of over \$1.0B.

Green

Opportunities for Improvement

- **324 Project Planning/Execution** $\frac{3}{4}$ An emphasis on improved schedule management to ensure that critical path negative float is recovered to positive float continues. Critical path method analysis of baseline schedule and improvements to waste packaging and disposition have lead to several schedule sequence changes devised to improve baseline performance. As work progresses, the need to re-sequence will continue to be assessed.
- **327 Building Conduct of Operations** $\frac{3}{4}$ Deactivation project work activities were temporarily curtailed by the facility management to focus efforts on procedure upgrades and Conduct of Operation concerns. After a five-week effort, the deactivation work was reinstituted utilizing new procedures. Senior management oversight continues to review the daily work plans and oversee work evolutions in the facility.

Green

Green

UPCOMING ACTIVITIES

- **300 Area Waste Acid Treatment System (WATS) Resource Conservation and Recovery Act (RCRA) Closure Activities** $\frac{3}{4}$ The final report due to RL has been delayed until September 2000 due to the review and comment cycle with Washington Department of Ecology (WDOE). A baseline change request has been submitted to delete the milestone, TRP-99-301, “*Submit Final Report on WATS Closure Activities to RL.*”
- **Uranium Disposition** $\frac{3}{4}$ Complete T-hopper shipments to Portsmouth, Ohio by September 28, 2000.
- **TPA Milestone M-89-02** $\frac{3}{4}$ Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment by November 2000.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
River Corridor Project	\$49.8	\$44.7	\$5.1

The \$5.1 million (10.0 percent) favorable cost variance is primarily due to performing 327 accelerated deactivation work scope and the Fluor Project Management Team re-structuring. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
River Corridor Project	\$49.8	\$48.7	\$1.2

The \$1.2 million (2.0 percent) favorable schedule variance is within the established threshold. Further information at the PBS level can be found in the following Schedule Variance Analysis details.

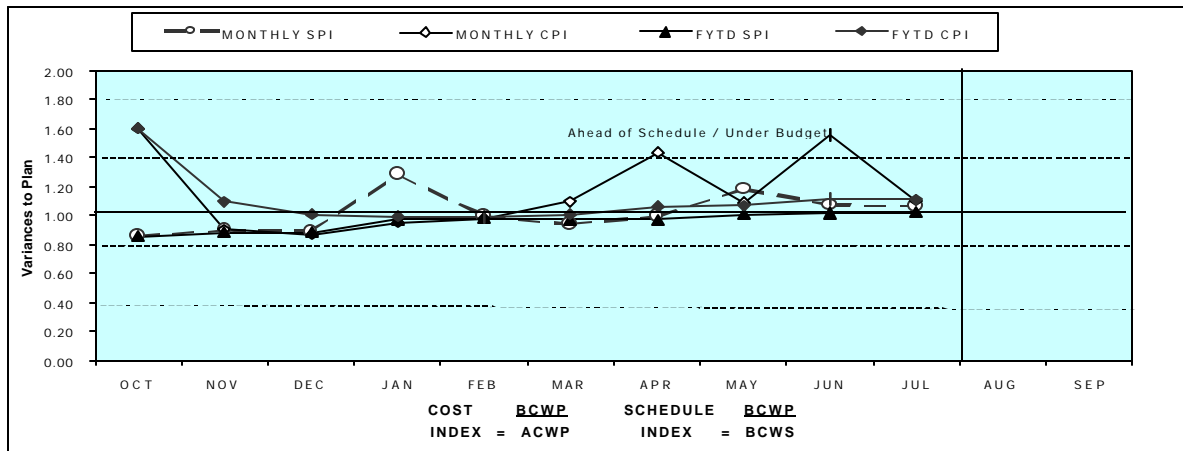
FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

		FYTD									
Bv PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP01 WBS 1.4.1	B-Plant	\$ 460	\$ 457	\$ 535	\$ (3)	0%	\$ (78)	0%	\$ 460	\$ 549	
PBS TP04 WBS 1.4.4	300 Area/ Special Nuclear Materials	\$ 2,149	\$ 2,145	\$ 2,093	\$ (4)	0%	\$ 52	2%	\$ 2,654	\$ 2,908	
PBS TP12 WBS 1.4.6	Transition Program Management	\$ 13,643	\$ 13,683	\$ 11,127	\$ 40	0%	\$ 2,556	19%	\$ 16,708	\$ 13,312	
PBS TP10 WBS 1.4.8	Accelerated Deactivation	\$ 1,715	\$ 1,714	\$ 1,663	\$ (1)	0%	\$ 51	3%	\$ 2,113	\$ 2,099	
PBS TP08 WBS 1.4.10	324/327 Facility Transition	\$ 27,953	\$ 29,086	\$ 26,918	\$ 1,133	4%	\$ 2,168	7%	\$ 33,940	\$ 32,925	
PBS TP14 WBS 1.4.11	Hanford Surplus Facility Program (300Area Revitalization)	\$ 2,748	\$ 2,761	\$ 2,409	\$ 13	0%	\$ 352	13%	\$ 2,874	\$ 2,874	
Total		\$ 48,668	\$ 49,846	\$ 44,745	\$ 1,178	2%	\$ 5,101	10%	\$ 58,749	\$ 54,667	

Notes: RL-Directed costs (steam and laundry) are included in the PEM BCWS. Transition Project Management includes NMS portion of TP12. 310 TEDF/340 Facility performance data is reported under PBS WM05 (Waste Management).

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.86	0.90	0.89	1.29	1.00	0.94	0.99	1.19	1.07	1.07		
MONTHLY CPI	1.60	0.90	0.87	0.96	0.98	1.10	1.44	1.09	1.56	1.11		
FYTD SPI	0.86	0.88	0.89	0.98	0.98	0.97	0.98	1.01	1.02	1.02		
FYTD CPI	1.60	1.10	1.01	0.99	0.99	1.01	1.07	1.07	1.11	1.11		
MONTHLY BCWS	\$3,649	\$5,158	\$4,089	\$3,855	\$4,290	\$5,980	\$5,433	\$6,651	\$5,259	\$4,304	\$5,353	\$4,728
MONTHLY BCWP	\$3,131	\$4,646	\$3,654	\$4,973	\$4,270	\$5,635	\$5,398	\$7,894	\$5,644	\$4,601		
MONTHLY ACWP	\$1,954	\$5,141	\$4,195	\$5,206	\$4,357	\$5,135	\$3,750	\$7,221	\$3,626	\$4,161		
FYTD BCWS	\$3,649	\$8,807	\$12,896	\$16,751	\$21,041	\$27,021	\$32,454	\$39,105	\$44,364	\$48,668	\$54,020	\$58,749
FYTD BCWP	\$3,131	\$7,777	\$11,431	\$16,404	\$20,674	\$26,309	\$31,707	\$39,601	\$45,245	\$49,846		
FYTD ACWP	\$1,954	\$7,095	\$11,290	\$16,496	\$20,853	\$25,988	\$29,738	\$36,958	\$40,584	\$44,745		

COST VARIANCE ANALYSIS: (+ \$5.1M)

WBS/PBS

Title

1.4.10/TP08 324/327 Facility Transition

Description and Cause: The favorable cost variance is primarily due to performing 327 Facility accelerated deactivation work scope through work scope deletions and efficiencies.

Impact: Out year work scope is completed ahead of schedule.

Corrective Action: None.

1.4.6/TP12 Transition Project Management

Description and Cause: The favorable cost variance is primarily due to the Fluor Project Management Team re-structuring which has mapped personnel from the sub-project to other sub-projects (i.e. Nuclear Material Stabilization), resulting in underruns in labor and contractor support.

Impact: No impact.

Corrective Action: Although this PBS reflects a substantial cost variance, the funding is less than the scope.

1.4.11/TP14 HSFP 300 Area Revitalization

Description and Cause: The favorable cost variance is primarily due to lower than planned costs in associated with Accelerated Closure Plan activities.

Impact: No impact.

Corrective Action: Any underruns in funding will be utilized to support super stretch activities and emerging work scope.

All other PBS variances are within established thresholds.

SCHEDULE VARIANCE ANALYSIS: (\$1.2M)

All PBS variances are within established thresholds.

FUNDS MANAGEMENT FUNDS VS SPENDING FORECAST (\$000) FY TO DATE THROUGH JULY 2000 (FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSE	Variance	Expected Funds	FYSE	Variance	Expected Funds	FYSE	Variance
The River									
1.4 River Corridor									
TP01, TP04, TP08, TP10, TP12, TP14, WM05	47,754	48,488	(734)	5,168	4,920	248	278	159	119
Line Item									
Total River Corridor Operating	\$ 47,754	\$ 48,488	\$ (734)	\$ 5,168	\$ 4,920	\$ 248			
Total River Corridor Line Item							\$ 278	\$ 159	\$ 119

* Control Point

This reflects FH Project structure, which divides certain PBS's between projects (WM05 – WM and RCP, TP12— RCP and NMS). Consequently, these figures will differ from others reported elsewhere in this report (as generated in the PERM system).

ISSUES

Technical Issues

Issue: B Plant Filter Changeout – Overdue calibration of equipment on the B Plant exhaust system has delayed the aerosol challenge test for ACT 1 and restart of the exhaust stack.

Impact: Operation of exhaust system delayed until repairs are completed. Continues to accrue costs for required surveillances while system is non-operational. Final costs are exceeding revised baseline of \$350K. Additionally, this may cause delay in meeting the July 28, 2000 date for restart of the ventilation system as agreed to with Washington State Department of Health (WDOH).

Corrective Action: The July 28, 2000 deadline was met 10 days early. Effective August 9, 2000, BHI assumed full responsibility for surveillance and maintenance of B Plant and the associated ventilation system. This is the last report on this issue.

DOE/Regulator/External Issues

Issue: While the current schedule for completing M-89-02, “Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste (MW) and Equipment,” is targeting completion on schedule, there is not schedule contingency for equipment failure.

Impacts: Timely completion of the milestone could be placed in jeopardy if an equipment failure were to occur.

Corrective Action: A review of the options has been completed by the contractor and recommendation transmitted to RL.

Issue: Approval by DOE-HQ of the Unirradiated Uranium (UU) billet Safety Analysis Report for Packaging (SARP), Revision K, is required by August 15, 2000 if any shipment is to be made during FY 2000 as requested by the customer.

Impacts: Failure to gain approval on or before August 15, 2000, may jeopardize the shipment schedule for the billets, thus losing the opportunity to complete the Tri-Party Agreement milestone (MX-92-06-T1) for billet transfer by December 31, 2000.

Corrective Action: A SARP limiting shipments to three billets per box, rather than the planned five, was received on August 18, 2000. Working with this SARP will cause both a cost and schedule increase. A revised SARP allowing five billets per box is expected by the end of September 2000.

Issue: An opportunity exists for receipt of PNNL facilities into TP-14. Although facility transfer is contrary to DOE-HQ guidance into EM (pipeline moratorium), PNNL does have funds for FY 2001/2002 Surveillance and Maintenance (S&M) identified for transfer to FH.

Impacts: Current PNNL funding for FY 2001/2002 S&M may not be available when the moratorium ends, jeopardizing efficiencies realized through combining these facilities into TP-14.

Corrective Action: Request approval from RL to determine if identified funds are adequate and to explore possibility of getting a waiver to the moratorium.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT	SCH	TECH	DATE To FH CCB	FH CCB APR'VD	RL APR'VD	CURRENT STATUS
FSP-00-002	11/2/99	Mark-42 Project Completion	\$0		X	04/05/00			Additional funding requested
FSP-00-047	5/24/00	Rebaseline PBS #RL-TP10 "Accelerated Deactivation"	\$0	X	X	06/22/00	06/29/00	08/01/00	Approved
FSP-00-048	6/5/00	RL/HQ Moratorium on Transfer of Facilities	\$0	X		06/19/00	07/24/00		With RL for approval
FSP-00-058	6/28/00	Defer Robotics Activities	-\$119	X	X	07/12/00	07/19/00	N/A	Approved
FSP-00-059	6/29/00	Increase in TRU Grout Containers	\$323		X	07/28/00	08/02/00	N/A	Approved
FSP-2000-064R1	8/7/00	FHA Implementation	\$20		X				Draft Prepared
FSP-2000-065	7/18/00	Defer Engineering Studies	-\$111	X	X	07/28/00	08/02/00	N/A	Approved
FSP-2000-066	7/18/00	Defer PNNL Legacy Waste	-\$47	X	X	N/A	N/A	N/A	Approved at Project Level
FSP-2000-067	7/19/00	Defer Robotics Scope	-\$96	X	X	N/A	N/A	N/A	Approved at Project Level
FSP-2000-068	7/20/00	224-T Characterization	\$180		X				On-Hold
FSP-2000-070	7/25/00	Added SWDB Shipments	\$140		X	07/28/00	08/02/00	N/A	Approved
FSP-2000-071	7/26/00	Defer 324 Building Scope	-\$260	X	X	07/28/00			Pending FH Change Board
FSP-2000-072	7/27/00	MYWP Submittal (Phase I)	\$0	X	X				Draft Prepared
FSP-2000-075	8/3/00	Uranium Disposition Project	\$400		X				Draft Prepared
FSP-2000-076	8/7/00	Change Shipping Method for LLDs	\$0		X				Draft Prepared
FSP-2000-077	8/8/00	Install Back-Flow Prevention	\$0		X				Draft Prepared
TBD		Defer 324 Building Scope	-\$487	X	X				In Development
TBD		Delete 324 Building Scope	-\$115	X	X				In Development
ADVANCE WORK AUTHORIZATIONS									
AWA	7/18/00	Uranium Disposition Project activities	\$400		X	7/19/00	7/20/00	07/26/00	FSP-2000-075
AWA	7/10/00	Characterization of 224-T Facility	\$180		X	7/11/00	7/11/00	07/13/00	FSP-2000-068
AWA	8/2/00	FHA Implementation	\$20		X	8/2/00	8/3/00	08/03/00	FSP-2000-064R1

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	1	0	0	0	0	0	0	1
DNFSB	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	2	1	0	1	0	0	0	4
Total Project	3	1	0	1	0	0	0	5

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Tri-Party Agreement / EA Milestones	
M-92-13 (TRP-00-902), “Submit 300 Area SCW Project Management Plan to Ecology Pursuant to Agreement Action Plan Section 11.5,” due 9/29/00	<ul style="list-style-type: none"> Completed 6 months early (3/28/00).
M-92-14 (TRP-02-901), “Complete Removal of Phase I 300 Area Special Case Waste and Materials,” due 9/30/02	<ul style="list-style-type: none"> Completed 30 months early (03/28/00) pending acceptance of the plan by Ecology.
M-89-02 (TRP-99-901), “Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste (MW) and Equipment,” due 11/30/00	<ul style="list-style-type: none"> Work towards completion of M-089-02 continues on schedule.
DNFSB Commitments	
Nothing to report.	

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE – 1

TRP-99-933	RL	Containerize Dispersible Under 2A Rack	04/30/00	09/11/00
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1.4.10

Cause: It has been determined it is more efficient to complete dispersible collection once size reduction of miscellaneous items is completed.

Impact: No impact.

Corrective Action: No corrective action is required.

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Yellow

Outcome	Performance Indicator	Status
Restore the River Corridor for Multiple Uses	FDH-RC-2 Accelerate 324/327 Deactivation.	On track – no issues. Current Life Cycle Schedule Variance 0.7% and Life Cycle Cost Variance 1.0%. Total float is at 60 days.
	FDH-RC-2SS Continue Acceleration of 324/327 Deactivation – Complete 327 Facility accelerated deactivation activities by September 2000.	On track – four new PF-21 shipping containers were received, but with deficiencies that had to be resolved prior to acceptance. Rework has required additional plant resources, impacting critical path for completion of this work scope. The third shipment of lead-lined drums was completed on August 22, 2000.
	FDH-RC-3SS Disposition Uranium Complete disposition of ~1865 Metric Tons (MT) of Hanford Uranium by September 2000.	Unrecoverable – RL has directed the shipment of UO ₃ and billets with RL identified funds.
	FDH-RC-5SS Accelerate 300 Area Closure Project.	Complete – Plan issued June 30, 2000. Feedback received in DOE Executive Evaluation Report is positive.
	FDH-RC-5SS-2 Accelerate Cleanup of zone 4 of 300 Area.	Unrecoverable – No funds identified to support completion of physical work. Engineering Evaluation/Cost Estimate is in process.
Multiple	Comprehensive performance	All baseline work projected to be complete per PI requirements.

KEY INTEGRATION ACTIVITIES

- Continue implementation of National Facility Deactivation Initiative (NFDI) DOE-complex implementation plan. Key accomplishments include a deactivation plan for Savannah River Site's F Canyon; evaluation of buildings for transfer into DOE-EM at Oak Ridge, Pantex, and Hanford; stabilization assistance for Brookhaven's High flux Beam Reactor; deactivation assistance for facilities at INEEL, Nevada Test Site and Hanford's 300 Area.
- The River Corridor Project (RCP) 324 Building B Cell project, along with the Spent Nuclear Fuel Project (SNF), developed an alternative plan for the fuel removal activity. Agreement to use a longer inner canister for the fuel permits greater end shielding and allows manual welding and testing in the Cask Handling Area (CHA), rather than the more expensive, remote effort in B Cell. SNF and RL are reviewing the options study to determine cost savings against the 200 Area Interim Storage life cycle costs. Following the review, a memorandum of agreement will be issued documenting the interface between SNF and RCP.
- With support from EM-50, AEA Technology recently completed two draft reports in support of future RCP deactivation tasks: (1) *Option Study for Inspection, Sampling and Remediation for Tank T-105 in the HLW Vault in Building at Hanford*; and (2) *Options Study for B Cell HVAC Duct Remediation*. Both reports will be issued before September 30, 2000. On August 16-17, 2000, AEA also performed a 2/3-scale mock-up demonstration of their proposed access/characterization/sampling technology for Tank T-105. This demonstration was held at AEA's facility near Charlotte, NC, and attended by a representative from both RCP and DOE-RL. Mr. John Duda, of EM-50's D&D Focus Area, also attended the demonstration. A joint meeting was held with Mr. Duda, AEA and the Hanford representatives to discuss potential support from AEA in FY01 and FY02. The following topics were proposed by RCP:
 - Demonstration and Deployment of the AEA Artisan-100 Arm for Hot Cell Deactivation
 - Options Study on Intact Removal and Disposal of 327 Facility Hot Cells
 - 324 Facility High-Level Vault Tank T-105 (cont'd from FY00)
 - HVAC Duct Remediation - 324 and 327 Hot Cells (mock-up and equipment demonstration)
 - Dry Decontamination of 327 Hot Cells
 - 340 Vault Tank Heel Removal
- 300 Area Accelerated Closure Plan team consisted of Fluor Hanford, Bechtel Hanford, Inc. and Pacific Northwest National Laboratory. The planning effort was completed and submitted to RL on June 30, 2000. The DOE Executive Evaluation Report received from RL in late July is very favorable.
- Through involvement with the National Facility Deactivation Initiative, Hanford, Rocky Flats, and Savannah River are working to submit a joint proposal for a contaminated large equipment size reduction system deployable at the three sites.